

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the process claimed can be used to make any semiconductive device.

As to the imposition of the restriction requirement, the Applicants respectfully disagree.

The method recited in independent Claim 23 is "a method of creating at least one **optical logic gate**" (emphasis added). Thus, the Examiner's assertion "that the process as claimed can be used to make other and materially different product" is incorrect. As recited, the method is for creating an optical logic gate not for other purposes.

Applicants request that the Examiner provide a viable alternative product that can be made from the claimed process when the claimed process recites an optical logic gate.

In view of the foregoing, Applicants respectfully submit that the restriction requirement should be withdrawn and each of Claims 1-46 presently pending in this application should be examined.

Although the Applicants respectfully disagree with the Examiner's imposition of the restriction requirement, the Applicants elect Group I, Claims 1-22 and 31-46, with traverse such that this reply is fully responsive to the Examiner's restriction requirement dated September 6, 2001.

Applicants believe that the present application is in condition for allowance. Favorable consideration of the application is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Respectfully submitted,

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